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 BLIND, A.A. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Nov 1993 for DC Cook Nuclear  
 Plant, Unit 2. W/ 931203 ltr.

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Indiana Michigan  
Power Corp.  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616 465 5901



December 3, 1993

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

Pursuant to the requirements of Donald C. Cook Nuclear Plant  
Unit 2 Technical Specification 6.9.1.10, the attached Monthly  
Operating Report for the month of November 1993 is submitted.

Respectfully,

A.A. Blind  
Plant Manager

Attachment

c: NRC Region III  
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# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316

DATE 02/Dec/93

COMPLETED BY DG TURNER

TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period NOV 93  
 3. Licensed Thermal Power (MWt) 3411  
 4. Name Plate Rating (Gross MWe) 1133  
 5. Design Electrical Rating (Net MWe) 1090  
 6. Maximum Dependable Capacity (GROSS MWe) 1100  
 7. Maximum Dependable Capacity (Net MWe) 1060  
 8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons \_\_\_\_\_

notes

9. Power Level To Which Restricted.. If Any (Net MWe) \_\_\_\_\_  
 10. Reasons For Restrictions. If Any: \_\_\_\_\_

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	720.0	8016.0	139512.0
12. No. of Hrs. Reactor Was Critical	720.0	7747.5	94105.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	720.0	7715.5	91031.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1850397	22587578	280175350
17. Gross Elect. Energy Gen. (MWH)	585510	7234490	90988520
18. Net Elect. Energy Gen. (MWH)	559610	6960623	87632795
19. Unit Service Factor	100.0	96.3	66.4
20. Unit Availability Factor	100.0	96.3	66.4
21. Unit Capacity Factor (MDC Net)	73.3	81.9	60.2
22. Unit Capacity Factor (DER Net)	71.3	79.7	58.6
23. Unit Forced Outage Rate	0.0	3.8	15.4
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):	None		

25. If Shut Down At End of Report Period, Estimated Date of Startup: \_\_\_\_\_

26. Units in Test Status (Prior to Commercial Operation):  
 Forecast Achieved  
 INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

# AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-316  
UNIT TWO  
02/Dec/93 02/Dec/93  
DG TURNER DG TURNER  
TELEPHONE 616-465-5901

NOV 93

NOV 93

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/01/93	780	11/17/93	777
11/02/93	779	11/18/93	775
11/03/93	783	11/19/93	778
11/04/93	782	11/20/93	778
11/05/93	781	11/21/93	779
11/06/93	778	11/22/93	779
11/07/93	777	11/23/93	778
11/08/93	776	11/24/93	778
11/09/93	771	11/25/93	777
11/10/93	781	11/26/93	782
11/11/93	779	11/27/93	771
11/12/93	777	11/28/93	772
11/13/93	779	11/29/93	768
11/14/93	779	11/30/93	771
11/15/93	777		0
11/16/93	776		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: NOVEMBER 1993

UNIT NAME: D. C. COOK UNIT 2  
DATE: Dec 1, 1993  
COMPLETED BY: R. D. Reynnells  
TELEPHONE: (616) 465-5901  
PAGE 1 OF 1

NO.	DATE	TYPE <sup>1</sup>	DURATION HOURS	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT NO.	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
None									There were no unit shutdown or significant power reductions from 75% RTP this month.

1	2	3	4	5
F: Forced S: Scheduled	Reason: A: Equipment Failure (Explain) B: Maintenance or Test C: Refueling D: Regulatory Restriction E: Operator Training and License Examination F: Administrative G: Operational Error (Explain) H: Other (Explain)	Method: 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 1061)	Exhibit I: Same Source

DOCKET NO.: 50-316  
UNIT NAME: D.C. Cook Unit 2  
COMPLETED BY: R. D. Reynnells  
TELEPHONE: (616) 465-5901  
DATE: Dec 1, 1993  
PAGE: Page 1 of 1

MONTHLY OPERATING ACTIVITIES - NOVEMBER 1993

HIGHLIGHTS

The unit entered the reporting period in Mode 1 at 75% RTP.

The unit exited this reporting period in Mode 1 at 75% RTP.

There were no challenges to the pressurizer safety valves or power operated relief valves.

Gross Electrical generation for the month of November was 585510 MWH.

DETAILS

None

DOCKET NO: 50-316  
UNIT NAME: D.C. Cook Unit 2  
COMPLETED BY: M. E. Russo  
TELEPHONE: (616) 465-5901  
DATE: December 3, 1993  
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - November 1993

No major safety-related maintenance items are included for the month of November.